

Title (en)
PARTICLE THERAPY SYSTEM

Title (de)
PARTIKELTHERAPIEANLAGE

Title (fr)
SYSTÈME DE THÉRAPIE PAR PARTICULES

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Application
EP 09713707 A 20090123

Priority
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Abstract (en)
[origin: WO2009106389A1] The invention relates to a particle therapy installation having an ECR ion source (31) for production of charged ions, which are accelerated in an accelerator unit (33, 37), which follows the ECR ion source (31), to an energy which is required for bombardment, wherein the magnetic fields of the ECR ion source (31) are matched to operation of the ECR ion source (31) for lightweight ions, such that the ECR ion source (31) can be operated in the afterglow mode, in which, after a microwave resonance pulse (43) has been switched off, an afterglow beam pulse (39) emerges from the ECR ion source (31), the current level of which is higher than a current (47) which emerges from the ECR ion source (31) during use of the microwave resonance pulse (43).

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